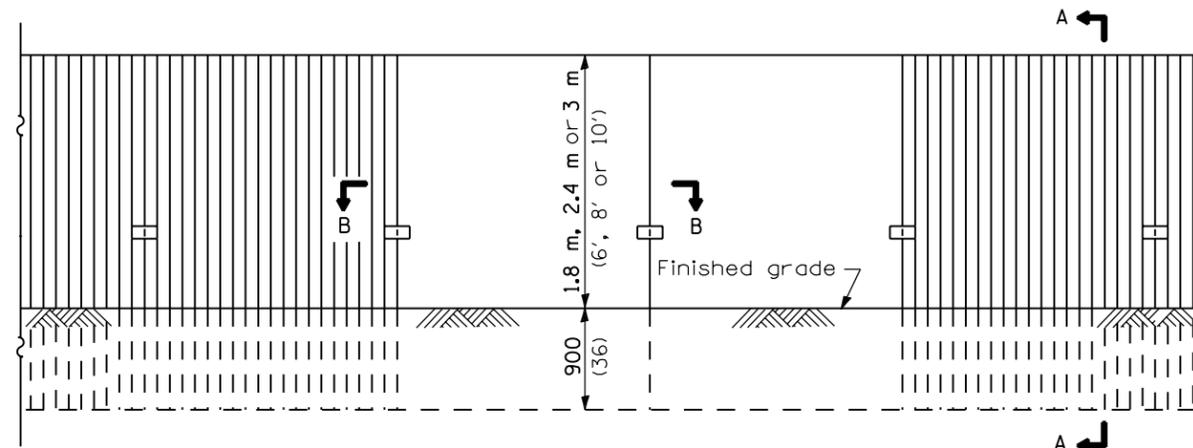
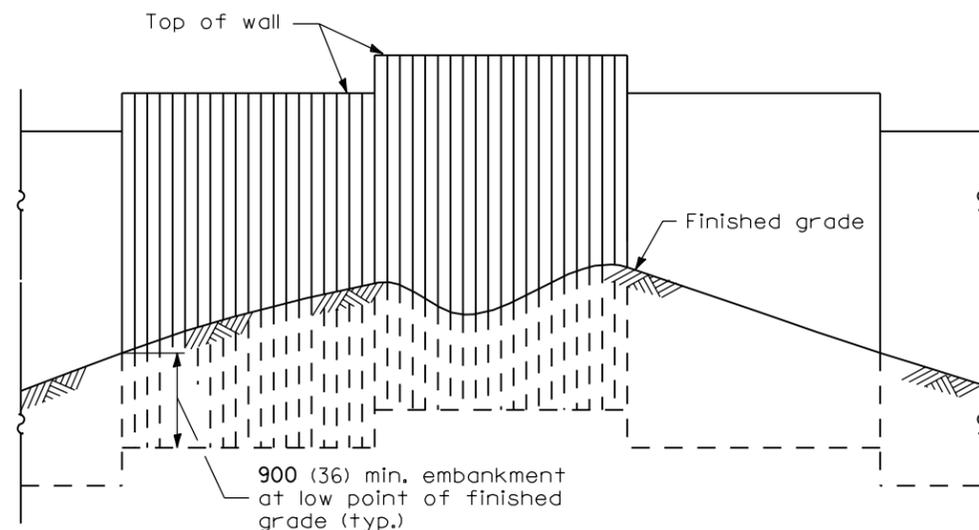


Each alternate pair of panels shall have a textured surface finish as shown, and shall be alternated with pairs having a smooth finish. The intersection of every two panels having the same finish shall point toward the road as shown.

**PLAN**

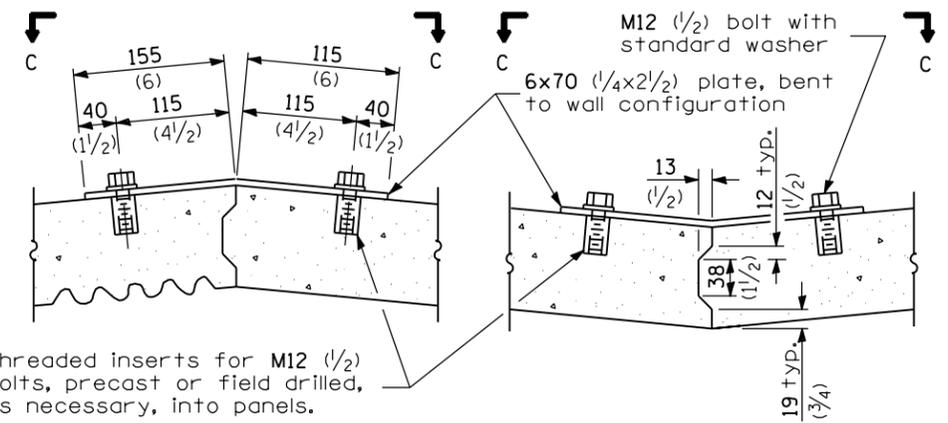


**ELEVATION**



**ELEVATION**

(Showing installation of wall in irregular ground)

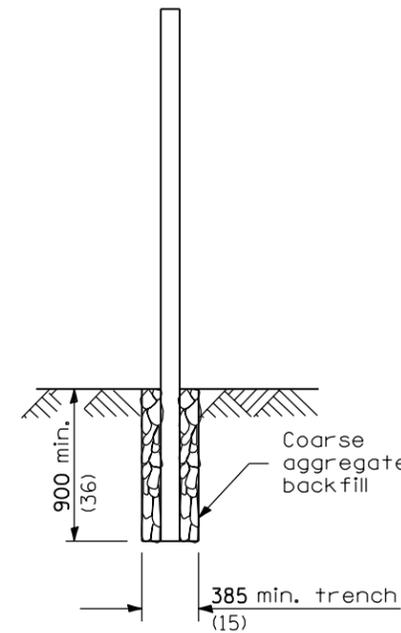


Threaded inserts for M12 (1/2) bolts, precast or field drilled, as necessary, into panels.

Showing typical metal band connector dimensions

Showing typical shear key dimensions

**SECTION B-B**



**SECTION A-A**

**GENERAL NOTES**

Loading for 130 km/h (80 mph) wind with 30% gust factor, normal to wall.

- ALLOWABLE STRESSES:
- Concrete:  $f'_c = 24 \text{ MPa (3,500 psi)}$   
 $f'_{ci} = 15 \text{ MPa (2,250 psi)}$
  - Prestressing Steel:  $f'_s = 1860 \text{ MPa (270,000 psi)}$   
 $f_{si} = 1300 \text{ MPa (189,000 psi)}$
  - Reinforcing Steel:  $f'_y = 270 \text{ MPa min. (40,000 psi)}$
  - Structural Steel:  $f_s = 138 \text{ MPa (20,000 psi)}$
  - Minimum allowable soil bearing pressure:  $= 120 \text{ kPa (1.25 tsf)}$

All dimensions are in millimeters (inches) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 1997  
*Ralph E. Anderson*  
ENGINEER OF BRIDGES AND STRUCTURES

APPROVED January 1, 1997  
*Ray Gould*  
ENGINEER OF DESIGN AND ENVIRONMENT

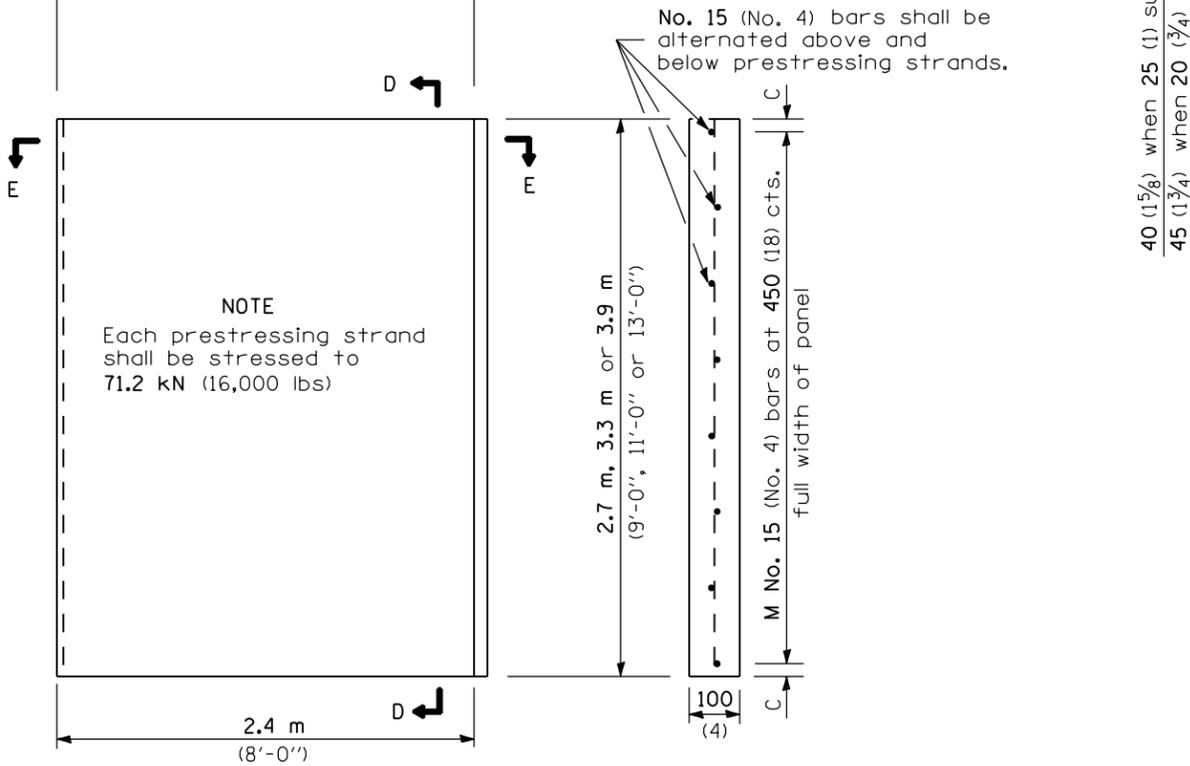
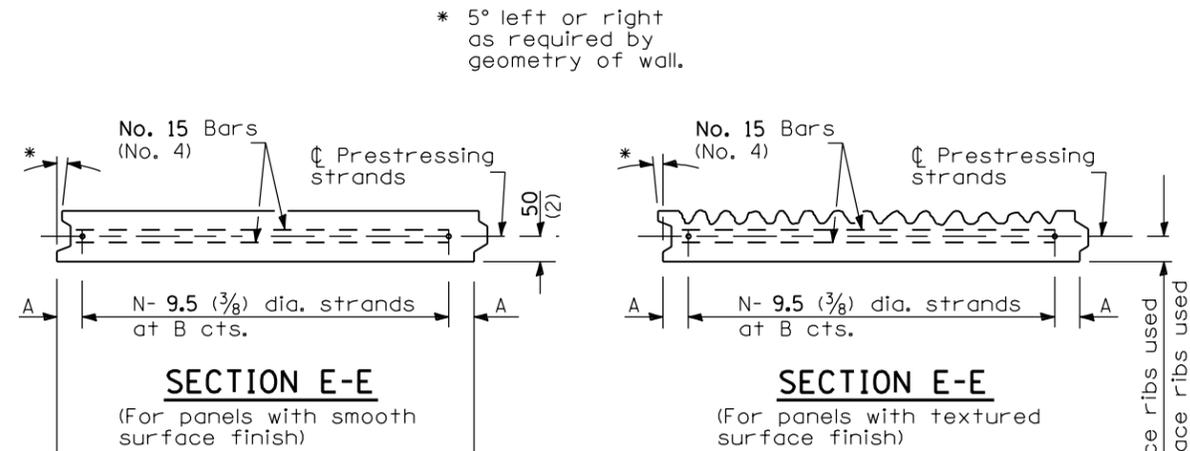
ISSUED 1-1-97

DATE	REVISIONS
1-1-97	Renum. Standard 2366-2.
11-1-94	Rev. G.N.
	Rev. metric values.

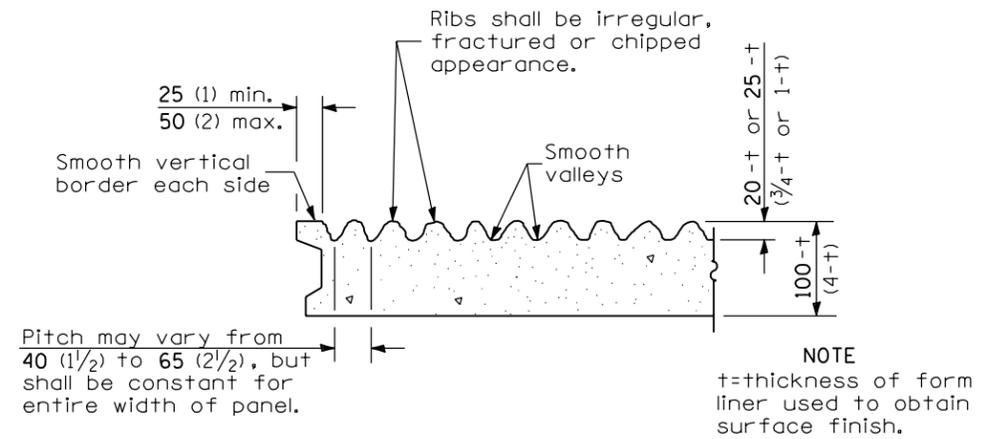
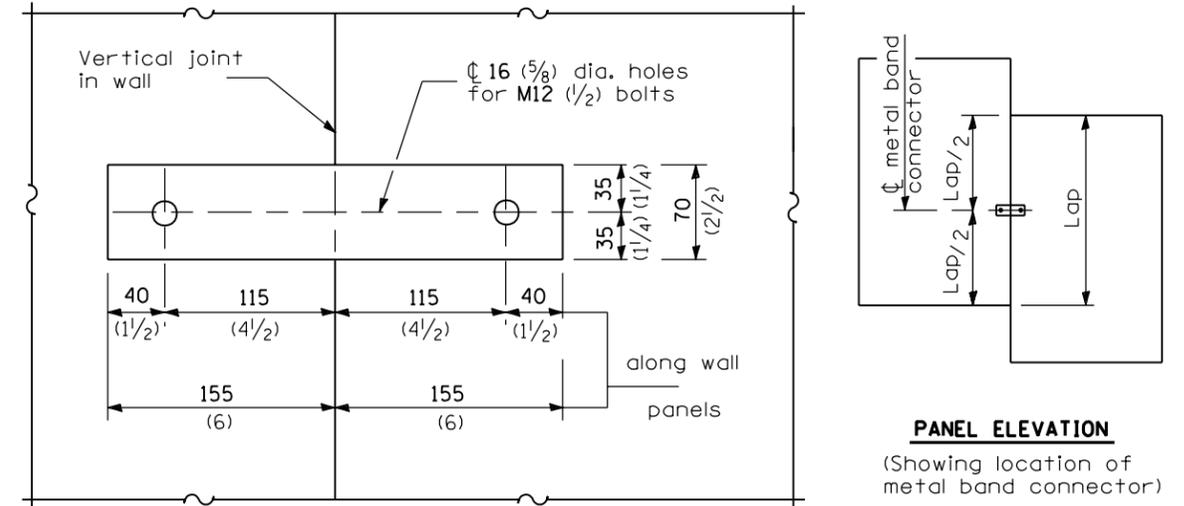
**SIGHT SCREEN  
PRECAST PRESTRESSED CONCRETE  
PANEL WALL**

(Sheet 1 of 2)

**STANDARD 639001**



**STRAND and REINFORCEMENT LAYOUT**



Nominal Panel Size	A	N	B	C	M
2.4 m x 2.7 m (8'-0" x 9'-0")	150 (6)	8	300 (12)	225 (9)	6
2.4 m x 3.3 m (8'-0" x 11'-0")	75 (3)	11	225 (9)	75 (3)	8
2.4 m x 3.9 m (8'-0" x 13'-0")	75 (3)	16	150 (6)	150 (6)	9

All dimensions are in millimeters (inches) unless otherwise shown.

**SIGHT SCREEN  
PRECAST PRESTRESSED CONCRETE  
PANEL WALL**  
(Sheet 2 of 2)

**STANDARD 639001**

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